



Lessard-Sams Outdoor Heritage Council

Minnesota Trout Unlimited Coldwater Fish Habitat Enhancement and Restoration, Phase 10 Laws of Minnesota 2018 Accomplishment Plan

General Information

Date: 11/21/2022

Project Title: Minnesota Trout Unlimited Coldwater Fish Habitat Enhancement and Restoration, Phase 10

Funds Recommended: \$2,291,000

Legislative Citation: ML 2018, Ch. 208, Art. 1, Sec. 2, subd 5(h)

Appropriation Language: \$2,291,000 the second year is to the commissioner of natural resources for an agreement with Minnesota Trout Unlimited to acquire permanent conservation stream easements using the payment method prescribed in Minnesota Statutes, section 84.0272, subdivision 2, and to restore and enhance habitat for trout and other species in and along coldwater rivers, lakes, and streams in Minnesota. Up to \$20,000 is for establishing a monitoring and enforcement fund as approved in the accomplishment plan and subject to Minnesota Statutes, section 97A.056, subdivision 17. A list of proposed land acquisitions and restorations and enhancements must be provided as part of the required accomplishment plan.

Manager Information

Manager's Name: John Lenczewski

Title:

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Location Information

County Location(s): Winona, Lake, St. Louis, Cass, Houston, Fillmore, Dakota, Wabasha, Olmsted, Hubbard and Goodhue.

Eco regions in which work will take place:

- Northern Forest
- Metro / Urban
- Southeast Forest

Activity types:

- Protect in Easement
- Restore
- Enhance

Priority resources addressed by activity:

- Habitat

Narrative**Abstract**

Minnesota Trout Unlimited will enhance and restore habitat for fish and wildlife in and along priority coldwater streams located on existing Aquatic Management Areas and public lands around the state. Accelerating habitat work to reduce the backlog of degraded streams is urgent given the increasing threats to these scarce coldwater fisheries. Population outcomes will be maximized by improving the connectivity of habitat and fish and wildlife populations, and building upon earlier work on adjacent stream segments. Trout stream easements will be acquired in one priority watershed to facilitate this approach. These durable habitat improvements will create more productive, self-sustaining fisheries.

Design and Scope of Work

Just six percent of Minnesota's streams are capable of supporting any trout, and degraded habitat conditions severely limit the productivity of many of them. The riparian corridors of many streams are largely protected from future harm, but this cannot reverse past habitat degradation. Minnesota Trout Unlimited ("MNTU") proposes to directly restore or enhance degraded habitat on nine or more priority streams with existing protections under the Aquatic Management Area system or public ownership. We propose to restore or enhance habitat in and along these public waters (and counties):

1. South Branch of Whitewater River (Winona);
2. Wisel Creek (Fillmore);
3. Winnebago Creek (Houston);
4. Vermillion River (Dakota);
5. Keene Creek (St. Louis);
6. Stewart River (Lake);
7. Silver Creek (Lake);
8. Stoney Brook (Cass);
9. Numerous streams statewide (prioritized maintenance list).

If substantial contracting efficiencies or leveraged funding allows we may extend project lengths and work on

Beaver Creek (Houston), Pine Creek (New Hartford Creek) (Winona), Miller Creek (St. Louis) or other streams.

We will protect via trout stream easements segments of the Stewart River which are the highest priority for habitat restoration or enhancement, to ensure access to strategically restore or enhance all priority segments within this watershed. The MNDNR will acquire and hold the easements.

Individual project descriptions are provided in an attachment.

Goals and scope of work.

The goals of each project are to increase the carrying capacity and trout population of the stream, increase angling access and participation, improve water quality and provide other benefits to aquatic and terrestrial wildlife. Each project will accomplish one or more of these objectives: (a) increase adult trout abundance, (b) reduce stream bank erosion and associated sedimentation downstream, (c) reconnect streams to their floodplains to reduce negative impacts from severe flooding, (d) increase natural reproduction of trout and other aquatic organisms, (e) increase habitat for invertebrates and non-game species, (f) improve connectivity of habitat along aquatic and riparian (terrestrial) corridors, (g) improve angler access and participation, and (h) protect productive trout waters from invasive species. The scope of work and methods utilized vary by project and are discussed in the individual project descriptions provided in the attachment.

How priorities were set.

MNTU focuses on those watersheds likely to continue to support viable, fishable populations of naturally reproducing trout and steelhead fifty years and more from now. Work is done only where degraded habitat is a limiting factor for a quality, sustainable fishery. Priority locations are determined using MNTU members' knowledge of watersheds, MNDNR management plans and surveys, other habitat and conservation planning efforts, consultations with MNDNR professionals, and science based criteria. All things being equal, we consider the potential to draw new anglers outdoors, increase public awareness, engage landowners in conservation, foster partnerships, and increase public support for OHF projects.

Stakeholder support.

We continue to receive strong support from landowners, rural communities, and local civic and sporting organizations. We will continue gathering local input and developing partnerships in the planning and implementation stages. Landowners typically become very enthusiastic partners.

How does the plan address habitats that have significant value for wildlife species of greatest conservation need, and/or threatened or endangered species, and list targeted species?

The projects will restore or enhance degraded habitat for fish and wildlife in and along coldwater streams and rivers which historically supported naturally reproducing trout or steelhead populations enjoyed by generations of anglers. While trout are the apex predator and key indicator species in coldwater systems, a host of rare aquatic

species are uniquely associated with these systems. Well-functioning coldwater aquatic ecosystem are far less “common” than the 6% of Minnesota’s total stream and river miles which theoretically can still support trout. They are very rare in the western half of the state. Even many streams considered to be the best remaining trout streams have badly degraded segments which disrupt connectivity and have significant impacts on the productivity and long term resilience (and self-sustainability) of the overall trout population. Our trout streams face growing threats from warming temperatures, increased frequency of severe flooding, and rising demand for groundwater pumping from the aquifers which sustain cold stream flows. The proposed projects are focused on streams and stream segments which will benefit from improved connectivity and help ensure Minnesota retains at least some high quality coldwater fisheries into the future.

Describe how the plan uses science-based targeting that leverages or expands corridors and complexes, reduces fragmentation or protects areas identified in the MN County Biological Survey:

In selecting project sites, MNTU reviews MNDNR watershed specific fisheries management plans and other conservation planning efforts, consults with MNDNR professionals, and applies ranking criteria developed by the MNDNR. Projects must have the potential to increase the carrying capacity (fish numbers), the streams have natural reproduction, and the public have access to them. Improving the connectivity of good aquatic and riparian habitat is an important consideration and the projects selected address this. We are increasingly targeting stream segments which build off earlier habitat or protection work in the same stream or watershed.

Which two sections of the Minnesota Statewide Conservation and Preservation Plan are most applicable to this project?

- H3 Improve connectivity and access to recreation
- H6 Protect and restore critical in-water habitat of lakes and streams

Which two other plans are addressed in this program?

- Driftless Area Restoration Effort
- Strategic Plan for Coldwater Resources Management in Southeastern Minnesota

Which LSOHC section priorities are addressed in this program?

Metro / Urban

- Enhance and restore coldwater fisheries systems

Northern Forest

- Protect shoreland and restore or enhance critical habitat on wild rice lakes, shallow lakes, cold water lakes, streams and rivers, and spawning areas

Southeast Forest

- Protect, enhance, and restore habitat for fish, game, and nongame wildlife in rivers, cold-water streams, and associated upland habitat

Does this program include leveraged funding?

-

Non-OHF Appropriations

Year	Source	Amount
n/a	n/a -each project is a new stand alone project	\$0

How will you sustain and/or maintain this work after the Outdoor Heritage Funds are expended?

MNTU's coldwater aquatic habitat restoration and enhancement projects are designed for long-term ecological and hydraulic stability. Once in-stream work is completed and riparian vegetation well established, no significant maintenance is usually required in order to sustain the habitat outcomes for several decades. Reconnected floodplains allow floodwater to quickly spread out and dissipate energy, reducing the destructive impact of a flood. Flood waters typically flatten streamside vegetation temporarily and do not damage the in-stream structures. The tenfold increase in trout populations and threefold increase in large trout which are common following completion of a southeast Minnesota project, are gains which are sustainable long-term through natural reproduction.

We anticipate that long-term monitoring of the integrity of the improvements will be done in conjunction with routine inspections and biological monitoring conducted by local MNDNR staff, MNTU members, or landowners as appropriate. This monitoring will not require separate OHF or other constitutional funding. In the event that there are other maintenance costs, potential sources of funding and volunteer labor include MNTU, MNDNR AMA maintenance funding, and other grant funds and organizations. MNTU volunteers will help provide long-term monitoring and periodic labor.

Actions to Maintain Project Outcomes

Year	Source of Funds	Step 1	Step 2	Step 3
Year after grant ends	MNTU volunteers or part of regular agency visit	Inspect structural elements and vegetation	Alert DNR and develop actions needed	Conduct maintenance with volunteers or contractors if DNR does not.
Every 3 years thereafter	MNTU volunteers or agency	Inspect structural elements and vegetation	Develop action plan with DNR if needed.	Perform or assist DNR with maintenance if needed.

Activity Details

Requirements

If funded, this program will meet all applicable criteria set forth in MS 97A.056?

Yes

Is the land you plan to acquire (easement) free of any other permanent protection?

Yes

Who will manage the easement?

DNR

Who will be the easement holder?

DNR

Will restoration and enhancement work follow best management practices including MS 84.973 Pollinator Habitat Program?

Yes

Is the restoration and enhancement activity on permanently protected land per 97A.056, Subd 13(f), tribal lands, and/or public waters per MS 103G.005, Subd. 15 or on lands to be acquired in this program?

Yes

Where does the activity take place?

- AMA
- County/Municipal
- Public Waters
- State Forests

Land Use

Will there be planting of any crop on OHF land purchased or restored in this program?

No

Will the eased land be open for public use?

Yes

Describe the expected public use:

Open to angling.

Are there currently trails or roads on any of the proposed acquisitions?

No

Will new trails or roads be developed or improved as a result of the OHF acquisition?

No

Timeline

Activity Name	Estimated Completion Date
Begin project planning, design work and permitting following a July 2018 appropriation	Begin July 2018
Begin habitat enhancements during the 2019 field work season.	2019 field work season
Complete habitat enhancements, including establishment of desirable riparian vegetation.	June 2023
Complete acquisition of trout stream easements	June 2022

Date of Final Report Submission: 11/01/2023

Availability of Appropriation: Subd. 7. Availability of Appropriation

Money appropriated in this section may not be spent on activities unless they are directly related to and necessary for a specific appropriation and are specified in the accomplishment plan approved by the Lessard-Sams Outdoor Heritage Council. Money appropriated in this section must not be spent on indirect costs or other institutional overhead charges that are not directly related to and necessary for a specific appropriation. Unless otherwise provided, the amounts in this section are available until June 30, 2021. For acquisition of real property, the amounts in this section are available until June 30, 2022, if a binding agreement with a landowner or purchase agreement is entered into by June 30, 2021, and closed no later than June 30, 2022. Funds for restoration or enhancement are available until June 30, 2023, or five years after acquisition, whichever is later, in order to complete initial restoration or enhancement work. If a project receives at least 15 percent of its funding from federal funds, the time of the appropriation may be extended to equal the availability of federal funding to a

maximum of six years if that federal funding was confirmed and included in the second draft accomplishment plan. Funds appropriated for fee title acquisition of land may be used to restore, enhance, and provide for public use of the land acquired with the appropriation. Public-use facilities must have a minimal impact on habitat in acquired lands.

Budget

Budget reallocations up to 10% do not require an amendment to the Accomplishment Plan.

Totals

Item	Funding Request	Antic. Leverage	Leverage Source	Total
Personnel	\$180,000	-	-	\$180,000
Contracts	\$881,000	\$350,000	SWCD, NRCS, USFWS	\$1,231,000
Fee Acquisition w/ PILT	-	-	-	-
Fee Acquisition w/o PILT	-	-	-	-
Easement Acquisition	\$190,000	-	-	\$190,000
Easement Stewardship	\$20,000	-	-	\$20,000
Travel	\$20,000	-	-	\$20,000
Professional Services	\$340,000	-	-	\$340,000
Direct Support Services	\$24,000	\$24,000	TU	\$48,000
DNR Land Acquisition Costs	-	-	-	-
Capital Equipment	-	-	-	-
Other Equipment/Tools	\$20,000	-	-	\$20,000
Supplies/Materials	\$616,000	\$500,000	SWCD, NRCS, USFWS	\$1,116,000
DNR IDP	-	-	-	-
Grand Total	\$2,291,000	\$874,000	-	\$3,165,000

Personnel

Position	Annual FTE	Years Working	Funding Request	Antic. Leverage	Leverage Source	Total
Program manager	0.4	3.0	\$55,000	-	-	\$55,000
Watershed coordinator	0.1	3.0	\$10,000	-	-	\$10,000
Habitat enhancement staff	0.25	3.0	\$115,000	-	-	\$115,000

Amount of Request: \$2,291,000

Amount of Leverage: \$874,000

Leverage as a percent of the Request: 38.15%

DSS + Personnel: \$204,000

As a % of the total request: 8.9%

Easement Stewardship: \$20,000

As a % of the Easement Acquisition: 10.53%

How will this program accommodate the reduced appropriation recommendation from the original proposed requested amount?

Four projects had to be dropped.

Describe and explain leverage source and confirmation of funds:

Leverage estimates are estimates only. We anticipate approximately \$400,000 in federal funds via our partner, \$400,000 in NRCS funding, and \$50,000 in USFWS funding.

Contracts

What is included in the contracts line?

Yes, 96 percent (all but \$40,000 of the total)

Easement Stewardship

What is the number of easements anticipated, cost per easement for stewardship, and explain how that amount is calculated?

Travel

Does the amount in the travel line include equipment/vehicle rental?

-

Explain the amount in the travel line outside of traditional travel costs of mileage, food, and lodging

I understand and agree that lodging, meals, and mileage must comply with the current MMB Commissioner Plan:

No

Direct Support Services

How did you determine which portions of the Direct Support Services of your shared support services is direct to this program?

Based upon approved federal rate applied only to personnel, travel and contracted "staff" costs

Federal Funds

Do you anticipate federal funds as a match for this program?

No

Output Tables**Acres by Resource Type (Table 1)**

Type	Wetland	Prairie	Forest	Habitat	Total Acres
Restore	0	0	0	0	0
Protect in Fee with State PILT Liability	0	0	0	0	0
Protect in Fee w/o State PILT Liability	0	0	0	0	0
Protect in Easement	0	0	0	73	73
Enhance	0	0	0	167	167
Total	0	0	0	240	240

Total Requested Funding by Resource Type (Table 2)

Type	Wetland	Prairie	Forest	Habitat	Total Funding
Restore	-	-	-	-	-
Protect in Fee with State PILT Liability	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-
Protect in Easement	-	-	-	\$278,000	\$278,000
Enhance	-	-	-	\$2,013,000	\$2,013,000
Total	-	-	-	\$2,291,000	\$2,291,000

Acres within each Ecological Section (Table 3)

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest	Total Acres
Restore	0	0	0	0	0	0
Protect in Fee with State PILT Liability	0	0	0	0	0	0
Protect in Fee w/o State PILT Liability	0	0	0	0	0	0
Protect in Easement	0	0	0	0	73	73
Enhance	9	0	94	0	64	167
Total	9	0	94	0	137	240

Total Requested Funding within each Ecological Section (Table 4)

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest	Total Funding
Restore	-	-	-	-	-	-
Protect in Fee with State PILT Liability	-	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-	-
Protect in Easement	-	-	-	-	\$278,000	\$278,000
Enhance	\$398,000	-	\$1,114,000	-	\$501,000	\$2,013,000
Total	\$398,000	-	\$1,114,000	-	\$779,000	\$2,291,000

Average Cost per Acre by Resource Type (Table 5)

Type	Wetland	Prairie	Forest	Habitat
Restore	-	-	-	-
Protect in Fee with State PILT Liability	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-
Protect in Easement	-	-	-	\$3,808
Enhance	-	-	-	\$12,053

Average Cost per Acre by Ecological Section (Table 6)

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest
Restore	-	-	-	-	-
Protect in Fee with State PILT Liability	-	-	-	-	-

Protect in Fee w/o State PILT Liability	-	-	-	-	-
Protect in Easement	-	-	-	-	\$3,808
Enhance	\$44,222	-	\$11,851	-	\$7,828

Target Lake/Stream/River Feet or Miles

13

Outcomes

Programs in metropolitan urbanizing region:

- Improved aquatic habitat indicators ~ *Measured through surveys of fish, macro invertebrates and/or exposed substrates. Abundance, size structure and species diversity are considered.*

Programs in the northern forest region:

- Improved aquatic habitat indicators ~ *Measured through surveys of fish, macro invertebrates and/or exposed substrates. Abundance, size structure and species diversity are considered.*

Programs in southeast forest region:

- Rivers, streams, and surrounding vegetation provide corridors of habitat ~ *Enhancement of in-stream and riparian corridor habitat creates miles of connected habitat. Outcomes in aquatic life are measured through surveys of fish, macro invertebrates and/or exposed substrates. Abundance, size structure and species diversity are considered.*

Parcels

For restoration and enhancement programs ONLY: Managers may add, delete, and substitute projects on this parcel list based upon need, readiness, cost, opportunity, and/or urgency so long as the substitute parcel/project forwards the constitutional objectives of this program in the Project Scope table of this accomplishment plan. The final accomplishment plan report will include the final parcel list.

Parcel Information

Sign-up Criteria?

No

Explain the process used to identify, prioritize, and select the parcels on your list:

Restore / Enhance Parcels

Name	County	TRDS	Acres	Est Cost	Existing Protection
Stoney Brook	Cass	13529208	12	\$0	Yes
Vermillion River	Dakota	11420236	9	\$0	Yes
Trout Brook	Dakota	11317235	0	\$0	Yes
Trout Brook	Dakota	11317226	0	\$0	Yes
Gribben Creek	Fillmore	10309227	0	\$0	Yes
Gribben Creek	Fillmore	10309221	0	\$0	Yes
Gribben Creek	Fillmore	10309216	0	\$0	Yes
Duschee Creek	Fillmore	10310224	0	\$0	Yes
Diamond Creek (incl. So Fk)	Fillmore	10309224	0	\$0	Yes
Diamond Creek (incl. So Fk)	Fillmore	10309214	0	\$0	Yes
Wisel Creek	Fillmore	10108206	9	\$0	Yes
Diamond Creek (incl. So Fk)	Fillmore	10309211	0	\$0	Yes
Wisel Creek	Fillmore	10208229	0	\$0	Yes
Wisel Creek	Fillmore	10208232	0	\$0	Yes
Diamond Creek (incl. So Fk)	Fillmore	10309213	0	\$0	Yes
Maple Creek	Fillmore	10208234	0	\$0	Yes
Maple Creek	Fillmore	10208203	0	\$0	Yes
Maple Creek	Fillmore	10208204	0	\$0	Yes
Gribben Creek	Fillmore	10309228	0	\$0	Yes
Mill Creek	Fillmore	10411205	0	\$0	Yes
Camp Creek	Fillmore	10210205	0	\$0	Yes
Maple Creek	Fillmore	10308233	0	\$0	Yes
So Fork Root River	Fillmore	10208208	0	\$0	Yes
So Fork Root River	Fillmore	10208218	0	\$0	Yes
So Fork Root River	Fillmore	10208219	0	\$0	Yes
So Fork Root River	Fillmore	10208217	0	\$0	Yes
So Fork Root River	Fillmore	10209226	0	\$0	Yes
So Fork Root River	Fillmore	10209225	0	\$0	Yes
So Fork Root River	Fillmore	10209224	0	\$0	Yes
Mill Creek	Fillmore	10411206	0	\$0	Yes
Rice Creek	Fillmore	10411223	0	\$0	Yes
Hay Creek	Goodhue	11215224	0	\$0	Yes
Hay Creek	Goodhue	11215223	0	\$0	Yes
Hay Creek	Goodhue	11215213	0	\$0	Yes
Badger Creek	Houston	10306227	0	\$0	Yes
Beaver Creek	Houston	10207224	0	\$0	Yes
Winnebago Creek	Houston	10105222	7	\$0	Yes

Sullivan Creek	Houston	10305213	0	\$0	Yes
Wildcat Creek	Houston	10304228	0	\$0	Yes
Badger Creek	Houston	10306228	0	\$0	Yes
Bee Creek	Houston	10106233	0	\$0	Yes
Bee Creek	Houston	10106232	0	\$0	Yes
Bee Creek	Houston	10106229	0	\$0	Yes
Girl Scout Camp Creek	Houston	10307230	0	\$0	Yes
Daley Creek	Houston	10307205	0	\$0	Yes
Daley Creek	Houston	10307204	0	\$0	Yes
Daley Creek	Houston	10407233	0	\$0	Yes
Kabekona Creek	Hubbard	14333211	0	\$0	Yes
Kabekona Creek	Hubbard	14333203	0	\$0	Yes
Kabekona Creek	Hubbard	14333202	0	\$0	Yes
Kabekona Creek	Hubbard	14333212	0	\$0	Yes
Stewart River	Lake	05310220	0	\$0	Yes
Stewart River	Lake	05310229	0	\$0	Yes
Stewart River	Lake	05311215	0	\$0	Yes
Stewart River	Lake	05311224	0	\$0	Yes
Silver Creek	Lake	05310216	2	\$0	Yes
Stewart River	Lake	05311223	0	\$0	Yes
Stewart River	Lake	05411234	0	\$0	Yes
Stewart River	Lake	05411226	0	\$0	Yes
Stewart River	Lake	05411215	0	\$0	Yes
Stewart River	Lake	05411222	0	\$0	Yes
Stewart River	Lake	05411210	0	\$0	Yes
Stewart River	Lake	05310219	0	\$0	Yes
Stewart River	Lake	05311222	0	\$0	Yes
Mill Creek	Olmsted	10512226	0	\$0	Yes
Mill Creek	Olmsted	10512223	0	\$0	Yes
Mill Creek	Olmsted	10512214	0	\$0	Yes
Mill Creek	Olmsted	10511231	0	\$0	Yes
Mill Creek	Olmsted	10512236	0	\$0	Yes
Mill Creek	Olmsted	10512225	0	\$0	Yes
Sucker River	St. Louis	05113213	0	\$0	Yes
Miller Creek	St. Louis	05014218	0	\$0	Yes
Keene Creek	St. Louis	04915212	2	\$0	Yes
Sucker River	St. Louis	05113212	0	\$0	Yes
Sucker River	St. Louis	05113201	0	\$0	Yes
Chester Creek	St. Louis	05014204	0	\$0	Yes
Chester Creek	St. Louis	05014209	0	\$0	Yes
Chester Creek	St. Louis	05014215	0	\$0	Yes
Chester Creek	St. Louis	05014216	0	\$0	Yes
Amity Creek	St. Louis	05114224	0	\$0	Yes
Amity Creek	St. Louis	05114225	0	\$0	Yes
Amity Creek	St. Louis	05114236	0	\$0	Yes
Amity Creek	St. Louis	05113230	0	\$0	Yes
Amity Creek	St. Louis	05113231	0	\$0	Yes
Amity Creek	St. Louis	05113232	0	\$0	Yes
Amity Creek	St. Louis	05014201	0	\$0	Yes
Amity Creek	St. Louis	05114235	0	\$0	Yes
Lester River	St. Louis	05113221	0	\$0	Yes
Lester River	St. Louis	05113216	0	\$0	Yes
Lester River	St. Louis	05113217	0	\$0	Yes
Lester River	St. Louis	05113208	0	\$0	Yes
Lester River	St. Louis	05113205	0	\$0	Yes
Lester River	St. Louis	05114212	0	\$0	Yes
Lester River	St. Louis	05114201	0	\$0	Yes

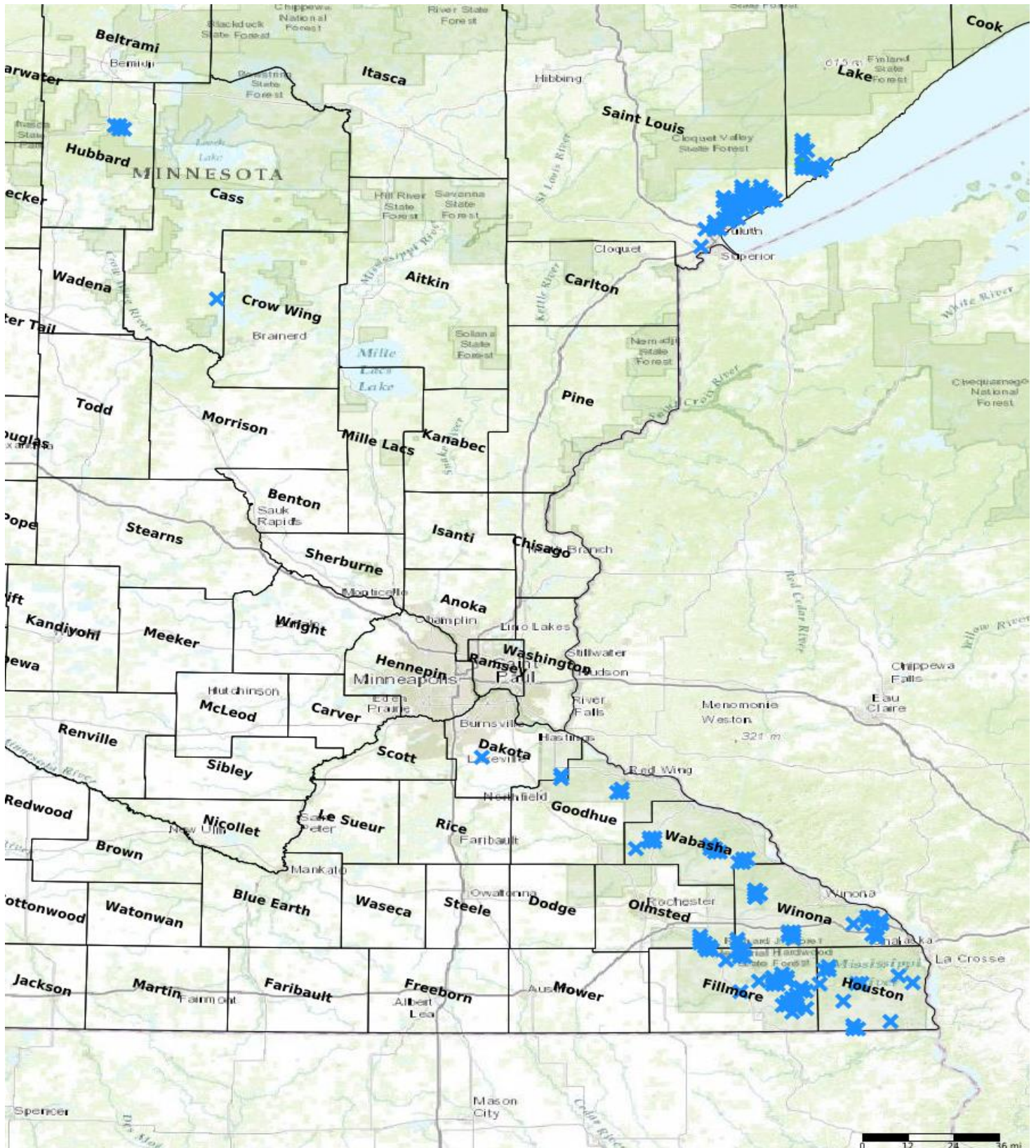
Lester River	St. Louis	05114202	0	\$0	Yes
Lester River	St. Louis	05214235	0	\$0	Yes
French River	St. Louis	05213228	0	\$0	Yes
French River	St. Louis	05213227	0	\$0	Yes
French River	St. Louis	05213221	0	\$0	Yes
French River	St. Louis	05213216	0	\$0	Yes
French River	St. Louis	05213234	0	\$0	Yes
French River	St. Louis	05213235	0	\$0	Yes
Sucker River	St. Louis	05112203	0	\$0	Yes
Sucker River	St. Louis	05112204	0	\$0	Yes
Sucker River	St. Louis	05212233	0	\$0	Yes
Sucker River	St. Louis	05212232	0	\$0	Yes
Sucker River	St. Louis	05212231	0	\$0	Yes
Sucker River	St. Louis	05212230	0	\$0	Yes
Sucker River	St. Louis	05212229	0	\$0	Yes
Sucker River	St. Louis	05212219	0	\$0	Yes
Sucker River	St. Louis	05212218	0	\$0	Yes
East Indian Creek	Wabasha	10910229	0	\$0	Yes
West Indian Creek	Wabasha	10911216	0	\$0	Yes
West Indian Creek	Wabasha	10911217	0	\$0	Yes
East Indian Creek	Wabasha	10910231	0	\$0	Yes
East Indian Creek	Wabasha	10910232	0	\$0	Yes
West Indian Creek	Wabasha	10911206	0	\$0	Yes
Mazeppa Creek	Wabasha	10914209	0	\$0	Yes
West Indian Creek	Wabasha	10911207	0	\$0	Yes
West Indian Creek	Wabasha	10911208	0	\$0	Yes
East Indian Creek	Wabasha	10910228	0	\$0	Yes
Cold Spring Brook	Wabasha	11013230	0	\$0	Yes
Cold Spring Brook	Wabasha	11013231	0	\$0	Yes
Cold Spring Brook	Wabasha	11014225	0	\$0	Yes
Cold Spring Brook	Wabasha	11014236	0	\$0	Yes
Pickwick Creek	Winona	10606224	0	\$0	Yes
Pickwick Creek	Winona	10606226	0	\$0	Yes
Little Pickwick Creek	Winona	10605229	0	\$0	Yes
Little Pickwick Creek	Winona	10605232	0	\$0	Yes
Trout Run Creek	Winona	10410204	0	\$0	Yes
Trout Run Creek	Winona	10410205	0	\$0	Yes
Trout Run Creek	Winona	10410208	0	\$0	Yes
Trout Run Creek	Winona	10410216	0	\$0	Yes
Trout Run Creek	Winona	10410217	0	\$0	Yes
Rush Creek	Winona	10508207	0	\$0	Yes
So. Branch Whitewater River	Winona	10710211	0	\$0	Yes
So. Branch Whitewater River	Winona	10710213	0	\$0	Yes
So. Branch Whitewater River	Winona	10710214	0	\$0	Yes
So. Branch Whitewater River	Winona	10710223	0	\$0	Yes
Rush Creek	Winona	10508218	0	\$0	Yes
Ferguson Creek	Winona	10509212	0	\$0	Yes
Ferguson Creek	Winona	10508218	0	\$0	Yes
Rush Creek	Winona	10508219	0	\$0	Yes
Ferguson Creek	Winona	10509213	0	\$0	Yes
Cedar Valley Creek	Winona	10606232	0	\$0	Yes
So Branch Whitewater River	Winona	10710214	18	\$0	Yes
Pine Cr. (New Hartford Cr.)	Winona	10505219	0	\$0	Yes
Pine Cr. (New Hartford Cr.)	Winona	10505218	0	\$0	Yes
Pine Cr.(New Hartford Cr.)	Winona	10506213	0	\$0	Yes
South Branch Whitewater River	Winona	10710213	0	\$0	Yes
South Branch Whitewater River	Winona	10710214	0	\$0	Yes

South Branch Whitewater River	Winona	10710223	0	\$0	Yes
South Branch Whitewater River	Winona	10710211	0	\$0	Yes
Trout Run Creek	Winona	10510219	0	\$0	Yes
Trout Run Creek	Winona	10510230	0	\$0	Yes
Pickwick Creek	Winona	10606223	0	\$0	Yes

Protect Parcels

Name	County	TRDS	Acres	Est Cost	Existing Protection
Stewart River	Lake	05311215	73	\$0	No

Parcel Map



- Protect in Easement
- ▲ Protect in Fee with PILT
- Protect in Fee W/O PILT
- ★ Restore
- ✕ Enhance
- ⊕ Other